

**PIPELINE OBSERVATION SYSTEM MANAGEMENT**
**Project Information**

<b>Surveyor Name</b>	Zack Herman	<b>Certificate Number</b>	U-1111-13684
<b>Owner</b>	City of Mountain View	<b>Street</b>	
<b>Drainage Area</b>		<b>PO Number</b>	
<b>Pipe Segment Reference</b>		<b>Date</b>	1/3/2013 04:40
<b>Time</b>		<b>City</b>	Mountain View
<b>Comments</b>			

**Manhole**

<b>Upstream MH</b>	F5-54	<b>Rim to Invert (U)</b>	
<b>Grade to Invert (U)</b>		<b>Rim to Grade (U)</b>	
<b>Downstream MH</b>	F5-52	<b>Rim to Invert (D)</b>	
<b>Grade to Invert (D)</b>		<b>Rim to Grade (D)</b>	
<b>Sewer Use</b>	Sanitary	<b>Direction of Survey</b>	Upstream

**Pipe**

<b>Height (Diameter)</b>	15	<b>Flow Control</b>	
<b>Shape</b>	Circular	<b>Material</b>	Vitrified Clay Pipe
<b>Lining Method</b>		<b>Total Length</b>	
<b>Width</b>		<b>Year Renewed</b>	322.6
<b>Year Laid</b>		<b>Length Surveyed</b>	322.6

**Misc**

<b>Pipe Joint Length</b>		<b>Media Label</b>	DVD
<b>Purpose</b>		<b>Sewer Category</b>	
<b>Pre-Cleaning</b>	No Pre-Cleaning	<b>Date Cleaned</b>	
<b>Weather</b>		<b>Location Code</b>	
<b>Additional Info</b>		<b>Location Details</b>	

**Custom**

<b>Number of Taps</b>	0	<b>Number of Roots</b>	2
<b>Num Cracks / Fractures</b>	5	<b>Number of Broken / Holes / Collapse</b>	1
<b>Number of Deposits</b>	0	<b>Custom6</b>	
<b>Custom7</b>		<b>Struct Grade</b>	
<b>OM Grade</b>		<b>Overall Grade</b>	

**Pacp 6**

<b>Reverse Setup ID</b>		<b>Sheet (Group) Number</b>	
<b>Imperial Units (US)</b>	True	<b>Pressure Value</b>	
<b>Work Order</b>		<b>Project</b>	CITY OF MOUNTAIN VIEW
		<b>Completed</b>	Yes

# Project: CITY OF MOUNTAIN VIEW

Date: 1/3/2013 4:40:00 AM

Street:

Length Surveyed: 322.6

Pacp Quick Overall Rating: 4232

Height (Diameter): 15

Street:




Pipe Segment Reference:




Upstream MH: F5-54



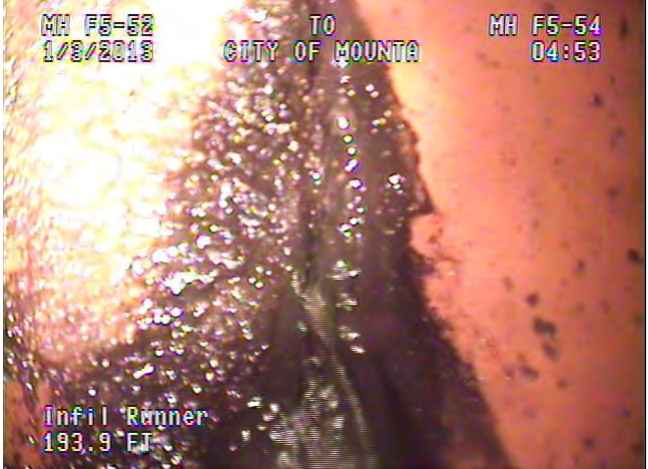
Downstream MH: F5-52




Direction of Survey: Upstream


Material: Vitrified Clay Pipe

Distance	Fault Observation	Time	Picture
0.0	Start Inspection Severity: None Remarks: start	31	 A video frame showing the start of an inspection. The image is dark and blurry, with some light reflecting off the pipe wall. Text overlays include 'MH F5-52 1/3/2013' on the left, 'TO CITY OF MOUNTA' in the center, 'MH F5-54 04:44' on the right, and 'Start Inspection 0.0 FT' at the bottom.
164.8	Crack Longitudinal Position: 12 Severity: None Struct Weight: 2	06:45	 A video frame showing a longitudinal crack in the pipe. The crack is a dark line running across the frame. Text overlays include 'MH F5-52 1/3/2013' on the left, 'TO CITY OF MOUNTA' in the center, 'MH F5-54 04:50' on the right, and 'Crack Longitudinal 164.8 FT' at the bottom.
167.5	Roots Fine Joint Position: 10 Severity: None Joint Maint Weight: 1	07:05	 A video frame showing roots at a fine joint in the pipe. The roots are thin, dark lines extending from the joint. Text overlays include 'MH F5-52 1/3/2013' on the left, 'TO CITY OF MOUNTA' in the center, 'MH F5-54 04:50' on the right, and 'Roots Fine Joint 167.5 FT' at the bottom.

Distance	Fault Observation	Time	Picture
173.6	Crack Longitudinal Position: 2 Severity: None Struct Weight: 2	07:33	
173.6	Infil Runner Position: 3 Severity: None Maint Weight: 4	07:50	
178.8	Roots Fine Joint Position: 1 Severity: None Joint Maint Weight: 1	08:14	

Distance	Fault Observation	Time	Picture
178.8	Crack Longitudinal Position: 1 Severity: None Struct Weight: 2	08:30	 <p>MH F5-52 1/8/2018 TO CITY OF MOUNTA MH F5-54 04:52</p> <p>Crack Longitudinal 178.8 FT</p>
183.4	Crack Longitudinal Position: 12 Severity: None Struct Weight: 2	08:56	 <p>MH F5-52 1/8/2018 TO CITY OF MOUNTA MH F5-54 04:52</p> <p>Crack Longitudinal 183.4 FT</p>
193.9	Infil Runner Position: 9 Severity: None Maint Weight: 4	09:29	 <p>MH F5-52 1/8/2018 TO CITY OF MOUNTA MH F5-54 04:53</p> <p>Infil Runner 193.9 FT</p>

Distance	Fault Observation	Time	Picture
276.6	Crack Multiple Position: 6 To 9 Severity: None Struct Weight: 3	12:03	 <p>MH F5-52 TO MH F5-54 1/3/2013 CITY OF MOUNTA 04:55</p> <p>Crack Multiple 276.6 FT</p>
290.0	General Observation Severity: None Remarks: Pipe looks egg shaped	13:02	 <p>MH F5-52 TO MH F5-54 1/3/2013 CITY OF MOUNTA 04:56</p> <p>General Observation 290.0 FT</p>
321.6	Broken Position: 9 Severity: None Struct Weight: 3	14:32	 <p>MH F5-52 TO MH F5-54 1/3/2013 CITY OF MOUNTA 04:58</p> <p>Broken 321.6 FT</p>

Distance	Fault Observation	Time	Picture
322.6	<p>End Inspection Severity: None Remarks: cannot pass break at 6 o'clock.</p>	15:21	

Created with the  POSM report generator

# Project: CITY OF MOUNTAIN VIEW

Date: 1/3/2013 4:40:00 AM

Street:

Length Surveyed: 322.6

Pacp Quick Overall Rating:  
4232

Height (Diameter): 15

Street:

Pipe Segment Reference:

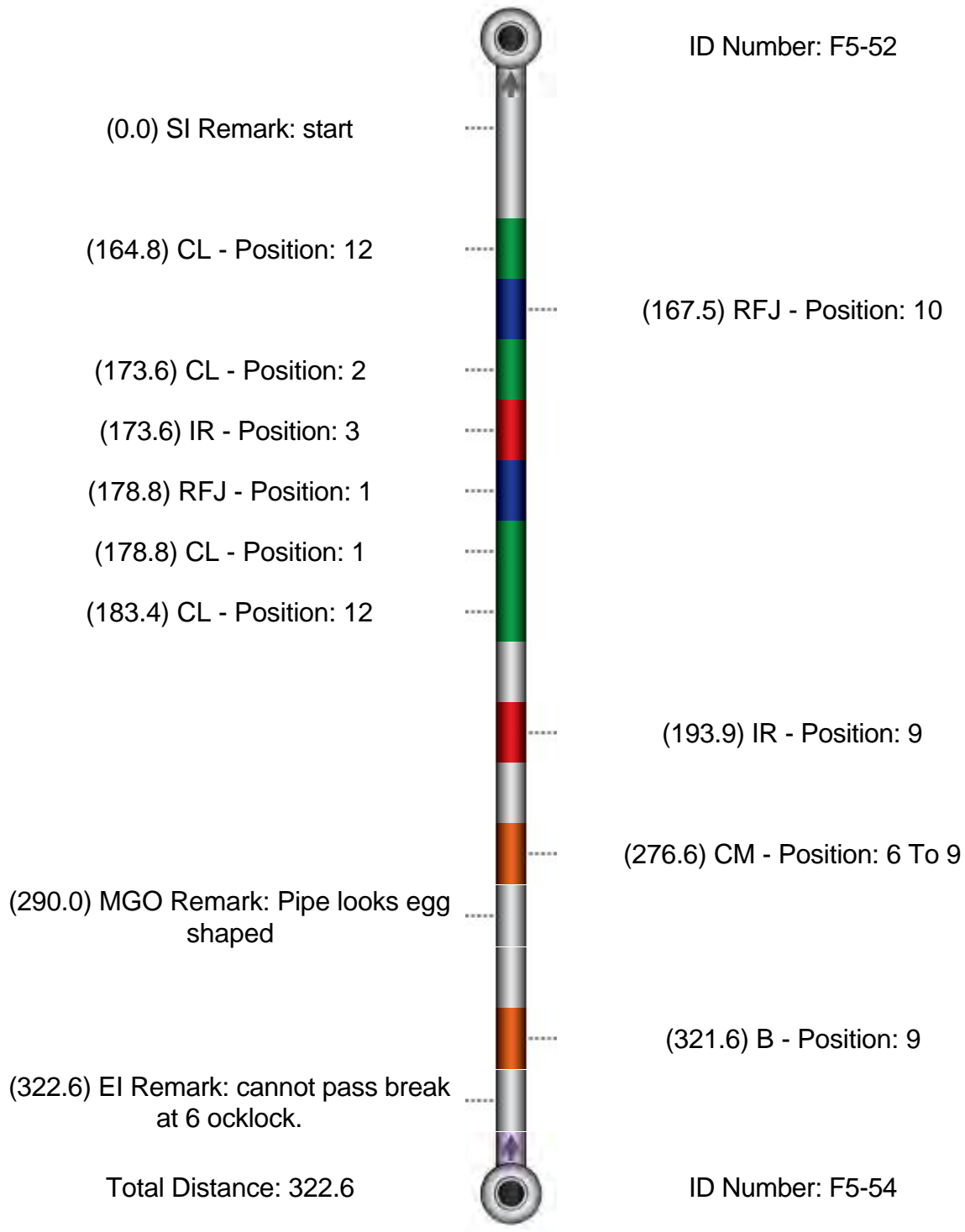
Upstream MH: F5-54

Downstream MH: F5-52

Direction of Survey: Upstream

Material: Vitrified Clay Pipe

Severity
Light
Moderate
Average
Heavy
Severe



# Nassco C.C.T.V. Defect Code Information

Grade	Structural	O&M	Overall
5	0	0	0
4	0	8	8
3	6	0	6
2	8	0	8
1	0	2	2
Overall	14	10	24
Number of Defects	6	4	10
Pipe Rating	3224	4212	4232
Pipe Ratings Index	2	2	2

# Nassco C.C.T.V. Defect Code Information

Distance	Video Ref	Code	Cont Defect	Value			Joint	Circumferential Location	
				Dimension		%		At / From	To
				1st	2nd				
0	31	SI - Start Inspection							
		start							
164.8	405	CL - Crack Longitudinal						12	
167.5	425	RFJ - Roots Fine Joint					X	10	
173.6	453	CL - Crack Longitudinal						2	
173.6	470	IR - Infil Runner						3	
178.8	494	RFJ - Roots Fine Joint					X	1	
178.8	510	CL - Crack Longitudinal						1	
183.4	536	CL - Crack Longitudinal						12	
193.9	569	IR - Infil Runner						9	
276.6	723	CM - Crack Multiple						6	9
290	782	MGO - General Observation							
		Pipe looks egg shaped							
321.6	872	B - Broken						9	
322.6	921	EI - End Inspection							
		cannot pass break at 6 ocklock.							

# Videos Created for Session CITY OF MOUNTAIN VIEW

F5-52\_F5-54\_20130103---050606.mpg Size: 337 MB

Created with the  report generator

# Additional Reports for Session CITY OF MOUNTAIN VIEW

Created with the  report generator